

# [Optimal Surface Mitigated Multiple Targeting System (OSMMTS)]

## Abstract

A set of analytical methods and a processing system to produce, in real time, an error-bounded, self-monitoring and self-adjusting, likelihood-based Target Position Report for arbitrarily many self-identifying targets in a two-dimensional grid. Each target sends identifying information to an array of sensors strategically placed in its vicinity to maximize the likelihood that the system will produce a position report as accurately and precisely as possible.